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Institute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Application Number	10/081,084
Filing Date	02/22/2002
First Named Inventor	Indra Laksono
Art Unit	2611
Examiner Name	Andrew I. Faile
Attorney Docket Number	1459.0100290

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Sheet 1

of 1

Technology Center 2600

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JS	AA	Pedro Assuncao and Mohammad Ghanbari, "Rate Reduction Techniques for MPEG-2 Video Bit Streams," SPIE Vol. 2952, April 1996, 10 pp.	
BR	BB	Jae-Young Pyun, "QoS Provisioning for Video Streaming over IEEE 802.11 Wireless LAN," (abridged) IEEE Conference in Consumer Electronics, 6/16/2003, 3 pp. [online] Retrieved from the Internet 7/8/2003 at URL	
DP	CC	Krisda Lengwehasatit and Antonio Ortega, "Computationally Scalable Partial Distance Based Fast Search Motion Estimation," Univ. of Southern California, 4 pp., (date unknown)	
DP	DD	Manoj Aggarwal and Ajai Narayan, "Efficient Huffman Decoding," 2000 IEEE, 0-7803-6297-7, pp. 936-939.	
EE	EE	Peng Yin et al., "Video Transcoding by Reducing Spatial Resolution," Princeton University, Princeton, NJ, 4 pp., 2000.	
FF	FF	Zhigang Fan and Ricardo de Queiroz, "Maximum Likelihood Estimation of JPEG Quantization Table in the Identification of Bitmap Compression History," Xerox Corporation, Webster, NY, 4 pp. (date unknown)	
GG	GG	Luis Ducla Soares et al., "Influence of Encoder Parameters on the Decoded Video Quality for MPEG-4 Over W-CDMA Mobile Networks," NTT DoCoMo, Inc. technical paper, 4 pp. (date unknown)	
HS	HH	Thomas Wiegand et al., "Long-Term Memory Motion-Compensated Prediction for Robust Video Transmission," in Proc. ICIP2000, 4 pp.	
HS	II	P. Greg Sherwood et al., "Efficient Image and Channel Coding for Wireless Packet Networks," Univ. of CA, San Diego, CA, Dept. of ECE; 4 pp. (date unknown)	
HS	JJ	Donghoon Yu et al., "Fast Motion Estimation for Shape Coding in MPEG-4," 2003 IEEE Transactions on Circuits and Systems for Video Technology, Vol. 13, No. 4, April 2003, pp. 358-363	

Examiner Signature		Date Considered	3/30/06
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PTO/SB/08A (08-03)

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Sheet 1 of 8

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Application Number	10/081,084
Filing Date	02/22/2002
First Named Inventor	Indra LAKSONO
Art Unit	2621
Examiner Name	Unknown
Attorney Docket Number	1459-0100290 (1459-VIXS029)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>If Known</i>)			
JS	AA	US- 5,027,203	06-25-1991	Samad, et al.	
JS	AB	US- 5,115,812	05-26-1992	Sano, et al. ¹	
JS	AC	US- 5,475,434	12-12-1995	Kim	
JS	AD	US- 5,602,589	02-11-1997	Vishwanath, et al.	
JS	AE	US- 5,635,985	06-03-1997	Boyce, et al.	
JS	AF	US- 5,644,361	07-01-1997	Ran, et al.	
JS	AG	US- 5,652,749	07-29-1997	Davenport, et al.	
JS	AH	US- 5,732,391	03-24-1998	Fiocca	
JS	AI	US- 5,737,020	04-07-1998	Hall, et al.	
JS	AJ	US- 5,740,028	04-14-1998	Sugiyama, et al.	
JS	AK	US- 5,940,130	08-17-1999	Nilsson, et al.	
JS	AL	US- 5,996,029	11-30-1999	Sugiyama, et al.	
JS	AM	US- 6,005,623	12-21-1999	Takahashi, et al.	
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JS	AO	US- 6,014,694	01-11-2000	Aharoni, et al.	
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JS	AQ	US- 6,081,295	06-27-2000	Adolph, et al.	
JS	AR	US- 6,141,693	10-31-2000	Perlman, et al.	
JS	AS	US- 6,144,402	11-07-2000	Norsworthy, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>If Known</i>)				
JS	AT	EP 0661826 A2	07-05-1995	IBM		
JS	AU	EP 0739138 A2	10-23-1996	Kalmanek, et al.		
JS	AV	EP 0805599 A2	11-05-1997	Oki Electric Industry		
JS	AW	EP 0855805 A2	07-29-1998	Sharp KK		
JS	AX	EP 0896300 B1	02-10-1999	Matsushita Electric		
JS	AY	EP 0901285 A1	02-10-1999	Yamauchi		

Examiner Signature	<i>[Signature]</i>	Date Considered	3/30/06
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Sheet 2 of 8

Application Number	10/081,084
Filing Date	02/22/2002
First Named Inventor	Indra LAKSONO
Art Unit	2621
Examiner Name	Unknown
Attorney Docket Number	1459-0100290 (1459-VIXS029)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AS	AZ	US- 6,167,084	12-26-2000	Wang, et al.	
AT	BA	US- 6,182,203	01-30-2001	Simar, Jr., et al.	
AR	BB	US- 6,215,821	04-10-2001	Chen	
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AS	BI	US- 6,314,138	11-06-2001	Lemaguet	
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AS	BK	US- 6,366,614	04-02-2002	Plan, et al.	
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AS	BN	US- 6,526,099	02-25-2003	Christopoulos, et al.	
AS	BO	US- 6,259,741	07-10-2001	Chen, et al.	
AS	BP	US- 6,584,509	06-24-2003	Putzolu	
AS	BQ	US- 6,724,726	04-20-2004	Coudreuse	
AS	BR	US- 6,748,020	06-08-2004	Eifrig, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
BS	EP 0955607 A2		11-10-1999	Sarnoff Corp.		
BT	EP 1032214 A2		08-30-2000	Matsushita Electric		
BU	WO 01/95633 A2		12-13-2001	Gen Instrument Group		
BV	WO 02/080518 A2		10-10-2002	Laksono		
BW	JP 07-210670 A		08-11-1995	Fuji Xerox Ltd.		
BX	EP 1087625 A2		03-28-2001	Sostawa et al.		

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Date Considered

3/30/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/081,084
		Filing Date	02/22/2002
		First Named Inventor	Indra LAKSONO
		Art Unit	2621
		Examiner Name	Unknown
Sheet	3	of	8
		Attorney Docket Number	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3

of 8

Complete if Known

16/08/2024

Application Number 10/081,084
Filing Date 02/02/2002

Filing Date 02/22/2002
Plaintiff's Attorney NAI-NAK SONG

First Named Inventor: Indra

AR UHR 2621

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>If known</i>)			
JT	BY	US- 6,438,168	08-20-2002	Arye	
JT	BZ	US- 2001/0026591 A1	10-04-2001	Keren, et al.	
JT	CA	US- 2002/110193 A1	08-15-2002	Kyoon, et al.	
JT	CB	US- 2002/138259 A1	09-26-2002	Kawahara	
JT	CC	US- 2002/196851 A1	12-26-2002	Arnaud	
JT	CD	US- 2002/106022 A1	08-08-2002	Takahashi, et al.	
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JT	CF	US- 4,866,395	09-12-1989	Hosteller	
JT	CG	US- 6,549,561	04-15-2003	Crawford	
JT	CH	US- 5,093,847	03-03-1992	Cheng	
JT	CI	US- 5,253,056	10-12-1993	Puri	
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JT	CN	US- 2002/0145931 A1	10-10-2002	Pitts	
JT	CO	US- 2003/0093661 A1	05-15-2003	Loh, et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

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First Named Inventor

Indra LAKSONO

Art Unit

2621

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Unknown

Attorney Docket Number

1459-0100290 (1459-VIXS029)

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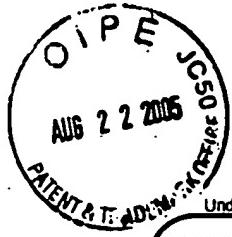
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
R	CP	YU, Donghoon, et al., "Fast Motion Estimation for Shape Coding in MPEG-4," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 13, No. 4, 2003 IEEE, April 2003, pp. 358-363	
J	CQ	PYUN, Jae-Young, "QoS Provisioning for Video Streaming Over IEEE 802.11 Wireless LAN," (abridged) IEEE Conferences in Consumer Electronics, June 16, 2003, EE Times, Seoul, Korea, < http://eetimes.com/printableArticle?doc_id=OEG2003061S0070 > retrieved July 8, 2003	
J	CR	YOUN, Jeongnam et al., "Video Transcoding For Multiple Clients," Proceedings of the SPIE, Bellingham, VA, vol. 4067, XP008012075, pp. 76-85, University of Washington, Sealttle, WA	
J	CS	LENGWEHASATIT, Krisda et al., "Computationally Scalable Partial Distance Based Fast Search Motion Estimation," Packet Video Corp., San Diego, California	
J	CT	TAKAHASHI, Kuniaki, et al., "Motion Vector Synthesis Algorithm for MPEG2-to-MPEG4 Transcoder," Proceedings of the SPIE, Bellingham, VA, vol. 4310, Sony Corporation, XP008000078, pp. 387-882, 2001 SPIE	
J	CU	SOARES, Luis Ducla, et al., "Influence of Encoder Parameters on the Decoded Video Quality for MPEG-4 Over W-CDMA Mobile Networks," NTT DoCoMo, Inc.	
J	CV	AGGARWAL, Manoj et al., "Efficient Huffman Decoding," 2000 IEEE, 0-7803-6297-7, pp. 936-939, University of Illinois at Urbana-Champaign, Urbana, IL	
J	CW	SHERWOOD, P. Greg et al., "Efficient Image and Channel Coding for Wireless Packet Networks," University of California, La Jolla, California	
J	CX	ASSUNCAO, Pedro et al., "Rate Reduction Techniques for MPEG-2 Video Bit Streams," SPIE, Vol. 2952, April 1996, pp. 450-459, University of Essex, Colchester, England	
R	CY	YIN, Peng et al., "Video Transcoding by Reducing Spatial Resolution," Princeton University, 2000, Princeton, New Jersey	

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TS	CZ	SHANABLEH, Tamer et al., "Heterogeneous Video Transcoding to Lower Spatio-Temporal Resolutions and Difference Encoding Formats," IEEE Transactions on Multimedia, Vol. 2, No. 2, June 2000, pp. 101-110, Engineering and Physical Sciences Research Council, Colchester, U.K.	
TP	DA	WIEGAND, Thomas et al., "Long-Term Memory Motion-Compensated Prediction for Robust Video Transmission," in Proc. ICIP 2000, University of Erlangen-Nuremberg, Erlangen, Germany	
JB	DB	FAN, Zhigang et al. "Maximum Likelihood Estimation of JPEG Quantization Table in the Identification of Bitmap Compression History," Xerox Corporation, Webster, New York	
TS	DC	THOMAS, Shine M. et al., "An Efficient Implementation of MPEG-2 (BC1) Layer 1 & Layer 2 Stereo Encoder on Pentium-III Platform", pp. 1-10, Sanken Communication Technologies Limited, Bangalore, India,	
TS	DD	RAMANUJAN, Ranga S. et al., "Adaptive Streaming of MPEG Video Over IP Networks," 22nd IEEE Conference on Local Computer Networks (LCN '97), November 02-05, 1997, IEEE, pp. 398-409, Architecture Technology Corporation, Minneapolis, MN	
TS	DE	REJAIE, Reza et al., "Architectural Considerations for Playback of Quality Adaptive Video Over the Internet," XP002177090, 2000 IEEE pp. 204-209, AT&T Labs, Menlo Park, California	
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TS	DI	LEE, Liang-Wei et al., "Dynamic Search-Window Adjustment and Interlaced Search for Block-Matching Algorithm," IEEE Transactions On Circuits and Systems for Video Technology," IEEE, Vol. 3, No. 1, 3 Feb 1993, pp. 85-87, XP000334581 ISSN: 1051-8215, New York	

Examiner Signature	Date Considered	3/30/06
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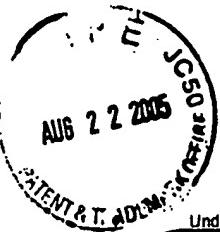
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STATEMENT BY APPLICANT**

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Sheet

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of

8

Application Number

10/081,084

Filing Date

02/22/2002

First Named Inventor

Indra LAKSONO

Art Unit

2621

Examiner Name

Unknown

Attorney Docket Number

1459-0100290 (1459-VIXS029)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TR	DJ	FUKUNAGA, Shigeru et al., "MPEG-4 Video Verification Model Version 16.0" International Organization for Standardization: Coding of Moving Pictures and Audio, Vol. N3312, March 2000, pp. 1-380, XP000861688,	
R	DK	KRÖNER, Sabine et al., "Edge Preserving Noise Smoothing With An Optimized Cubic Filter," DEEI, University of Trieste, Trieste, Italy	
DL	DL	KIM, Jaemin et al., "Spatiotemporal Adaptive 3-D Kalman Filter for Video," pp. 1-12. Samsung Semiconductor, Inc. San Jose, California	
TR	DM	LIU, Julia J., "ECE497KJ Course Project: Applications of Wiener Filtering In Image and Video De-Noising," pp. 1-15, May 21, 1997	
TR	DN	JOSTSCHULTE, K. et al., "A Subband Based Spatio-Temporal Noise Reduction Technique for Interlaced Video Signals," University Dortmund, Dortmund, Germany	
DO	DO	KOSENTINI, Faouzi et al. "Predictive RD Optimized Motion Estimation for Very Low Bit-Rate Video Coding," 1997 IEEE, XP-000726013, pp. 1752-1963, September 1, 1996, 1997 International Conference on Image Processing, Vancouver, Canada	
DP	DP	TOURAPIS, Alexis et al. "New Results on Zonal Based Motion Estimation Algorithms - Advanced Predictive Diamond Zonal Search," 2001 IEEE, pp. V 183-V 186, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong	
DQ	DQ	BRANDENBURG, Karlheinz, "MP3 and AAC Explained," Proceedings of AES 17th International Conference, XP008004053, pp. 99-110, Erlangen, Germany	
DR	DR	PAINTER, Ted et al., "Perceptual Coding of Digital Audio," Proceedings of the IEEE, Vol. 88, No. 4, April 2000, pp. 451-513, XP001143231, ISSN: 0018-9219, Arizona State University, Tempe, AZ	
DS	DS	HASSANZADEGAN, Hooman et al., "A New Method for Clock Recovery in MPEG Decoders," pp. 1-8, Basamad Negar Company, Tehran, Iran	

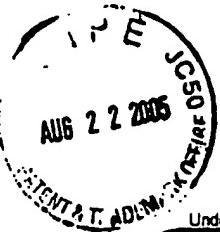
Examiner Signature		Date Considered	3/30/06
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Sheet

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Application Number

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Filing Date

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Indra LAKSONO

Art Unit

2621

Examiner Name

Unknown

Attorney Docket Number

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JS	DT	KAN, Kou-Sou et al., "Low-Complexity and Low-Delay Video Transcoding for Compressed MPEG-2 Bitstream," National Central University, Chung-Li, Taiwan	
JS	DU	MITCHELL et al., "MPEG Video Compression Standard: 15.2 Encoder and Decoder Buffering," Chapman and Hall Digital Multimedia Standards Series, pp. 340-356, XP002115299, ISBN: 0-412-08771-5, Chapman and Hall, New York	
JS	DV	WHYBRAY, M.W. et al., "Video Coding - Techniques, Standards and Applications," BT Technol J. Vol. 14, No. 4, 4 October 1997, pp. 86-100, XP000722036	
JS	DW	"SHARP Product Information: VTST-Series NTSC/PAL Electronic Television Tuners," RF Components Group, Sharp Microelectronics of the America, 1997	
JS	DX	EDWARDS, Larry M., "Satisfying Your Need for Net Speed," San Diego Metropolitan, September 1999, <<www.sandiegometro.com/1999/sept/speed.html>>, retrieved on 07/19/2001	
JS	DY	OZ, Ran et al., "Unified Headend Technical Management of Digital Services," BigBend Networks, Inc.	
JS	DZ	MURIEL, Chris, "What is Digital Satellite Television?," What is Digital Television Rev. 3.0, April 21, 1999, SatCure, Sandbach, England, <<http://www.netcentral.co.uk/satcure/digifaq.htm>>, access on 04/20/2001	
JS	EA	"CONEXANT Products & Tech Info: Product Briefs: CX24108," 2000-2002 Conexant Systems, Inc. access on 04/20/2001	
JS	EB	"CONEXANT Products & Tech Info: Product Briefs: CX22702," 2000-2002 Conexant Systems, Inc. access on 04/20/2001	
JS	EC	"TDC: Components for Modems & Digital Infotainment: Direct Broadcast Satellite Chipset," 2001 Telecom Design Communications Ltd., U.K., <<http://www.tdc.co.uk/modmulti/settop/index.htm>>, access on 04/20/2001	

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Sheet

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of 8

Complete If Known

Application Number	10/081,084
Filing Date	02/22/2002
First Named Inventor	Indra LAKSONO
Art Unit	2621
Examiner Name	Unknown
Attorney Docket Number	1459-0100290 (1459-VIXS029)

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B	ED	"White Paper: Super G: Maximizing Wireless Performance," March 2004, Atheros Communications, Inc., pp. 1-20, Document No. 991-00006-001, Sunnyvale, California	
B	EE	KWOK, Y.K. et al., "Efficient Multiple Access Control Using a Channel-Adaptive Protocol for a Wireless ATM-Based Multimedia Services Network," March 29, 2000, Computer Communications 24(2001) 970-983, University of Hong Kong, Hong Kong, PRC	
B	EF	LIANG, Ying-Chang et al., "Joint Downlink Beamforming, Power Control, and Data Rate Allocation for DS-CDMA Mobile Radio with Multimedia Services," 2000 IEEE, pp. 1455-1457, Ceneter for Wireless Communication, Singapore	
B	EG	RAZAVI, Behzad, "Challenges in Portable RF Transceiver Design," September 1996, 1996 IEEE, pp. 12-25, Circuits & Devices	
B	EH	MANNION, Patrick, "IceFyre Device Cools 802.11a Power Consumption," September 24, 2001, Planet Analog, National Semiconductor, << >> , access on 11/05/2001	
B	EI	"ICE Fyre Semiconductor: IceFyre 5-GHz OFDM Modem Solution," September 2001, pp. 1-6, ICEFYRE: Rethink Wireless, IceFyre Semiconductor, Inc.	
B	EJ	POZAR, David M., "Theory and Design of Ferrimagnetic Components," 1990, pp. 529, Microwave Engineering, Addison-Wesley Publishing Company, Inc.	
B	EK	"Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: High-Speed Physical Layer in the 5 GHz Band," 1999 IEEE, pp. 1-83, Supplement to IEEE Standard for Information Technology, IEEE Std 802.11a-1999, LAN/MAN Standards Committee	
B	EL	CICIORA, Walter S., "Cable Television in the United States: An Overview," May 25, 1995, pp. 1-90, Cable Television Laboratories, Inc., Louisville, Colorado	

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